

Title (en)  
POWER CONVERSION APPARATUS

Title (de)  
STROMRICHTER

Title (fr)  
APPAREIL DE CONVERSION DE PUISSANCE

Publication  
**EP 2858230 B1 20201202 (EN)**

Application  
**EP 12877714 A 20120531**

Priority  
JP 2012064187 W 20120531

Abstract (en)  
[origin: EP2858230A1] A power conversion apparatus includes power conversion circuits (1) including switching elements (4), a DC conductor (2P, 2N) which is provided in each of the power conversion circuits (1) and supplies a DC power to each of the power conversion circuits (1), and a DC connection bus (3P, 3N) which is provided in each of the power conversion circuits (1), has a length having an inductance for inhibiting a ripple current flowing from another power conversion circuit (1) as a result of switching of the switching element (4), and connects another power conversion circuit (1) and the DC conductor (2P, 2N).

IPC 8 full level  
**H02M 7/00** (2006.01); **H02G 5/00** (2006.01); **H02J 3/01** (2006.01); **H02M 1/14** (2006.01); **H02M 5/458** (2006.01); **H02M 7/493** (2007.01); **H05K 7/14** (2006.01)

CPC (source: CN EP US)  
**H02J 3/01** (2013.01 - EP US); **H02M 1/12** (2013.01 - CN); **H02M 1/14** (2013.01 - EP US); **H02M 5/4585** (2013.01 - CN EP US); **H02M 7/003** (2013.01 - CN EP US); **H02M 7/493** (2013.01 - CN EP US); **H02M 7/537** (2013.01 - US); **H05K 7/1432** (2013.01 - US); **H05K 7/14329** (2022.08 - EP); **Y02E 40/40** (2013.01 - EP US)

Citation (examination)  
• EP 2192678 A1 20100602 - MITSUBISHI ELECTRIC CORP [JP]  
• US 2011044077 A1 20110224 - NIELSEN HENNING ROAR [DK]  
• US 5289364 A 19940222 - SAKURAI AKIHIRO [JP]  
• US 2009085219 A1 20090402 - BAYERER REINHOLD [DE]

Cited by  
CN104900601A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2858230 A1 20150408; EP 2858230 A4 20160413; EP 2858230 B1 20201202**; CN 104380587 A 20150225; CN 104380587 B 20170531; ES 2852775 T3 20210914; JP 5906313 B2 20160420; JP WO2013179463 A1 20160114; US 10284111 B2 20190507; US 2015085549 A1 20150326; WO 2013179463 A1 20131205

DOCDB simple family (application)  
**EP 12877714 A 20120531**; CN 201280073645 A 20120531; ES 12877714 T 20120531; JP 2012064187 W 20120531; JP 2014518187 A 20120531; US 201414555986 A 20141128